

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

Claims 1-3 (canceled).

Claim 4 (Currently Amended): A monitoring system for leak prevention and leak detection in a pipe line constituting a first pipe through which a liquid passes positioned and contained within a second pipe having an inside diameter greater than an outside diameter of the first pipe to provide an annular through passage surrounding the first pipe, the system comprising:

a fitting connecting the first pipe to a liquid source;

said fitting having a through passage in liquid connection with said first pipe;

said fitting having a first port and a second port connected to said annular through passage via an annular passage surrounding said through passage of said fitting;

said first port being connected to means for detecting liquid leakage from said first pipe to said annular through passage surrounding said first pipe with said means for detecting liquid leakage including means for monitoring vacuum within said annular through passage and producing a signal indicating liquid leakage upon any vacuum reduction; and

said second port being adapted for removal of liquid leakage from said annular through passage.